13491

Postel

Network Working Group
Request for Comments: 433

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NIC 13491

Categories: Socket Numbers
References: 349

Socket Number List

The czar of socket numbers [Jon Postel] has established the following assignments for socket numbers used for public functions. Note that a socket number is a 40 bit quantity, the first 8 bits being the host specification, the next 24 bits being site specific, and the last 8 bits being user specified - these last 8 bits are called the AEN [it stands for, cleverly enough, Another Eightbit Number].

For the assignments here the value in the host field ranges across all hosts (unless otherwise specified), the value in the 24 bit field is zero, and the AEN is indicated here.

General Assignments:

Sockets	Assignment
0 - 63	Network Wide Standard Functions
64 - 127	Host Specific Functions
128 - 239	Reserved for Future Use
240 - 255	Any Experimental Function

Particular Assignments:

Socket	Assignment
1	Telnet
3	File Transfer
5	Remote Job Entry
7	Echo
9	Discard
19	Character Generator [e.g. TTYTST]
65	Speech Data Base @ 11-tx-2 (74)
67	Datacomputer @ cca (31)
241	NCP Measurement
243	Survey Measurement
245	LINK

The specifications for the assigned functions can be found in the documents listed here:

Telnet	RFC 318
File Transfer	RFC 354 & RFC 385
Remote Job Entry	RFC 407
Echo	RFC 347
Discard	RFC 348
Character Generator	RFC 429
Speech Data Base	SUR 37
Datacomputer	[Murray @ CCA]
NCP Measurment	RFC 368
Survey Data	[Kampe @ NMC]
LINK	[Bressler @ BBN]

It has come to our attention that there are several hosts performing useful public services on sockets which conflict with the above scheme. We hope we can resolve this problem with a minimum of disruption.

The following is a tabulation of socket numbers together with the services offered. This listing is presented as an aid to network users. If you know of a socket/function which has been left out or an entry which should be corrected or deleted please contact:

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We will be pleased to include socket/function information for other than "offical" sockets (e.g Tip News).

1 UCLA-NMC

1 Telnet

241 NCP Measurement

243 Survey Data

2 SRI-ARC

1 Telnet

3 File Transfer

5 Echo

7 CPYNET

9 SYSTAT

13 DATE-TIME

3 UCSB

1 Telnet

5 UCSB RJS [not ARPANET standard]

7 Echo

9 Discard

4 UTAH

1 Telnet

3 File Transfer

5 Echo

7 CPYNET

9 SYSTAT

13 DATE-TIME

5 NCC

6 MIT-Multics

1 Telnet

9 Harvard

1 Telnet

3 Sorry File Transfer

10 LL-67

1 Telnet

11 SAIL

1 Telnet

3 File Transfer

12 ILL-ANTS

13 CASE

1 Telnet

3 File Transfer

5 Echo

7 CPYNET

9 SYSTAT

13 DATE-TIME

14 CMU

1 Telnet

3 File Transfer

15 ILLIAC-TENEX

1 Telnet

3 File Transfer

5 Echo

7 CPYNET

9 SYSTAT

13 DATE-TIME

16 NASA-AMES

1 Telnet

3 File Transfer

5 Sorry Remote Job Entry

7 Echo

9 Discard

241 NCP Measurement

23 USC-44

31 CCA-TENEX

1 Telnet

3 File Transfer

5 Echo

9 SYSTAT

11 NETSTAT

35 UCSD

1 Telnet

65 UCLA-CCN

```
    1    Telnet
    7    Echo
    9    Discard
    11   NETPJS (EBCDIC)
    13   NETRJS (ASCII)
    15   NETRJS (TTY)
66  SRI-AI
    1    Telnet
    3    DATE-TIME
    5    Echo
    7    CPYNET
    9    SYSTAT
    11   Sorry NETSTAT
69  BBN-TENEX (a)
    1    Telnet
    3    File Transfer
    5    Echo
    7    CPYNET
    9    SYSTAT
    13   DATE-TIME
    15   NETSTAT
    17   Oneliners
    3604505 = x'370019' = o'15600031'   TIP News
70  MIT-DMCG
```

1 Telnet

3 File Transfer

7 Network Status

9 Discard

74 LL-TX-2

1 Telnet

78 CMU-alt

1 Telnet

3 File Transfer

86 ISI-TENEX

1 Telnet

3 File Transfer

5 Echo

7 CPYNET

9 SYSTAT

13 DATE-TIME

133 BBN-TENEXB

1 Telnet

3 File Transfer

5 Echo

7 CPYNET

9 SYSTAT

13 DATE-TIME

15 NETSTAT

17 Oneliners

134 MIT-AI

1 Telnet

3 File Transfer

198 MIT-Mathlab

1 Telnet

3 File Transfer

Following hosts not tested

7 RAND

8 SDC-ADEPT

19 NBS-ANTS

138 LL-TSP